

Amendments to the Specification

Please revise the Title as follows:

Multifunction Video Communication Service Device Image Formation using Micro-Optic Elements

Please revise the Abstract as follows:

~~This invention relates to a multimedia device (100) for use in multimedia collaboration apparatus and systems. Such apparatus and systems typically contain processing units (118) audio reception and transmission capabilities (140, 142), as well as video reception and transmission capabilities (146, 142). The reception and transmission capabilities allow analog audio/video signal transfer over UTP wires for audio transmit/receive. The reception, transmission, and decoding capabilities could exist in a single packaging. This or another single packaging can support a plurality of multimedia network signal formats, including analog plus digital or all digital. An image formation system includes multiple micro-optic elements, each of which directs light from a portion of an object onto a respective subset of a plurality of photosensor elements. Each photosensor element generates a photosensor output signal in response to light received. One or more signal processors receive the photosensor output signals, perform an image formation operation on the received photosensor output signals to create a first image data, perform a digital processing operation on the first image data to produce second image data, and provide output image data from the second image data. The output image data includes a representation of a portion of the object. The digital processing operation can include one of an edge effect handling operation to remove edge effects in the first image data, a sharpening operation and an aggregation operation.~~